

## **WATER QUALITY SPECIALIST**

### **DISTINGUISHING FEATURES**

The fundamental reason the Water Quality Specialist position exists is to perform skilled specialized duties in the inspection of industrial and commercial waste discharges; and in coordinating industrial, pre-treatment and water quality programs for the Water Quality Division of the Water Resources Department. This classification receives general supervision from the Laboratory and Water Quality Manager.

### **ESSENTIAL FUNCTIONS**

Inspects industrial and commercial establishments such as restaurants, gas stations, industries and manufacturers to ensure compliance with ordinances and permit requirements governing the discharge of industrial waste.

Explains the purpose and objectives of the industrial waste program to owners, managers and operators of inspected commercial establishments. Communicates with private sector organizations, citizens and City staff verbally through one-on-one or group settings, two-way radio, or telephone.

Inspects the dimensions, operations and maintenance of sand traps, settling tanks, clarifiers, neutralizing tanks, grease removal equipment and other equipment used in the treatment, disposal and control of industrial waste; draws samples for laboratory tests; notes location, use and quantity of floor drains.

Operates and installs industrial waste sampling and floor monitoring equipment. Works in small areas and must climb ladders or steps to reach objects. Bends or stoops repeatedly and lifts arms above shoulder level.

Conducts field tests for acidity, alkalinity, chlorine demand, hydrogen sulfide and other factors to determine if waste discharge causes deterioration of sewage facilities or pollution and contamination of surface and underground waters.

Reads and interprets construction plans and specifications; determines whether industrial waste permits have been issued; enforces the provisions of such permits; issues citations when necessary; reviews plans for correction of pollution or violations.

Prepares and submits reports of activities and findings.

Attendance and punctuality are essential to this position.

### **MINIMUM QUALIFICATIONS**

#### **Knowledge, Skills, and Abilities**

##### Knowledge of:

Federal, state and local water quality standards and environmental regulations.

##### Ability to:

Operate a variety of equipment and machinery requiring continuous or repetitive arm-hand movements.  
Move and lift heavy objects (50 pounds or more) both short and long distances.

Walk up and down stairs and over rough terrain.

Work in adverse conditions, including extreme hot temperatures, cold temperatures, wind, rain and a high volume of noise.

Communicate effectively with the public in the explanation of federal, state and local regulations and requirements.

Establish and maintain effective working relationships with co-workers, supervisors, and the general public.

Enter data or information into a terminal, PC or other keyboard device.

Communicate effectively both verbally and in writing.

Listen and communicate effectively with a diverse group of people.

Prioritize schedule and work tasks and complete work within specified time periods and deadlines.

### **Education & Experience**

A minimum of three years' experience in the inspection of large waste disposal systems and the checking of waste for chemical content is required. Completion of two years of college level coursework in chemistry, chemical engineering, environmental science, or related field or any other combination of education and experience which provides the required knowledge, skills and abilities.

A valid Arizona Driver's License and no major driving citations in the last 39 months for all driving positions.

FLSA Status: Non-exempt

HR Ordinance Status: Classified